

CENTRAL INTELLIGENCE AGENCY

COUNTRY USSR

SUBJECT Petroleum Base at Bolshoi Peshmoi Island

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THIS IS UNEVALUATED INFORMATION

1. The petroleum base of Bolshoi Peshnoi Island is exceptionally important in supplying petroleum products to Plant No 441 in Gurev.
2. Bolshoi Peshnoi Island is the sole transfer and transit point in the petroleum shipping system "Baku-14-foot Sea Roadstead-Gurev-Plant No 441".
3. Bolshoi Peshnoi Island is five to six kilometers in length and one to two kilometers in width. The island's soil consists of a mixture of sand with fine cockle shell. Except for a strip of cane thickets around the shore, the island is entirely without vegetation. The population is about 70-80 persons, mainly employees of the "Reydtanker" Shipping Company and the Gurev Directorate of Glavneftesbyt", and their families. Shipments of "gas oil" from Baku are passed through Bolshoi Peshnoi Island. Tankers with gas oil from Baku arrive at the 14-foot Sea Roadstead and are unloaded in large barges of the "Reydtanker" Shipping Company. The barges with the gas oil are then towed from the 14-foot Sea Roadstead to the Gurev Sea Roadstead where "Reydtanker" floating petroleum pumping stations pump the gas oil from the large barges to barges of smaller capacity (800-1,900 capacity barges called "pauzok"). The small barges are then towed to Bolshoi Peshnoi Island and brought into the harbor (See No 11, Enclosure (A)) where they are moored to dock No 1 or dock No 2 (See No 10 and #12 respectively, Enclosure (A)) and their contents unloaded into reservoirs. Usually Pier No 1 is used; Pier No 2 is used only when traffic is heavy.
4. During the 1951 navigation season, about 300 thousand tons of gas oil were hauled in the direction of Gurev. It was planned that in the future shipments would reach 400 thousand tons in a season, and it is possible that at the present time that figure has already been exceeded.
5. The small harbor on Bolshoi Peshnoi Island is equipped with two small wooden moorings, about 50 meters each in length. Pipes about 250-300 mm in diameter extend from the moorings to the pumphouse (See No 7, Enclosure (A)). If the ships have their own pumping facilities, the petroleum products can be pumped directly

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through the main See No 13 Enclosure (A) without using the pumphouse, but usually, "Reydtanker" Shipping Company vessels do not have their own pumping facilities, the only exception being the 800-ton capacity tanker "Cheleken" which does have pumps.

6. The pumping section consists of four horizontal steam piston pumps (two in use and two in reserve) with a capacity of 200 tons an hour, located in a one-story, white brick building. The boiler room is located in a white, brick building See No 5 Enclosure (A) located about 100 meters from the pump house. The boiler room has two return tubular boilers which send steam to the pumps via the pipe indicated by No 6 Enclosure (A). A building containing a chemical laboratory No 4 Enclosure (A) for investigating the composition of incoming petroleum products is located between the boiler room and the pump house.

7. Reservoirs at the base are of two types:

- (a) 15 large reservoirs with a combined capacity of about 150 thousand tons, See No 3 Enclosure (A).
- (b) 14 small reservoirs with a combined capacity of about 30 thousand tons See No 15 Enclosure (A).

All the reservoirs are of a dark color. There are no fences or enclosures anywhere around the base.

8. A one-story wooden structure See No 14 Enclosure (A) is located on the beach near the reservoirs and contains the offices of the "Reydtanker" Shipping Company (of the Gurev Marine Agency) and the Gurev Directorate of "Glavneftesbyt". The same building contains the dispatcher and transshipment point of the base. The pipeline See No 1, Enclosure (A) leading to Plant No 441 is 400-450 mm in diameter and about 30 kilometers in length. It lays on the surface on the island and in the water is placed on the bottom which nowhere exceeds 0.5-0.8 meters in depth between Bolshoi Peshnoi Island and the mainland.

9. The island also has the following installations:

- (a) The island light-house See No 8 Enclosure (A) a wooden skeleton tower about 25 meters high. A mast with a yard for storm signals has been installed on the tower. A one-story adobe house is located beside the tower.
- (b) Light-house village No 9, Enclosure (A) consisting of eight one-story adobe houses.
- (c) The island village No 2, Enclosure (A) consisting of 20 small, one-family one-story adobe houses.
- (d) Estate No 16, Enclosure (A) belonging to Savostyanov, head of the Bolshoi Peshnoi Island transshipment point (belonging to the "Reydtanker" Shipping Company). The estate consists of a one-story dwelling unit and two sheds, all of adobe.

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ENCLOSURE (A): Sketch Map of the Petroleum Base at Bolshoi Peshnoi Island with Legend
 (B): Sketch Map of the Pipeline from Bolshoi Peshnoi Island to Plant No 441

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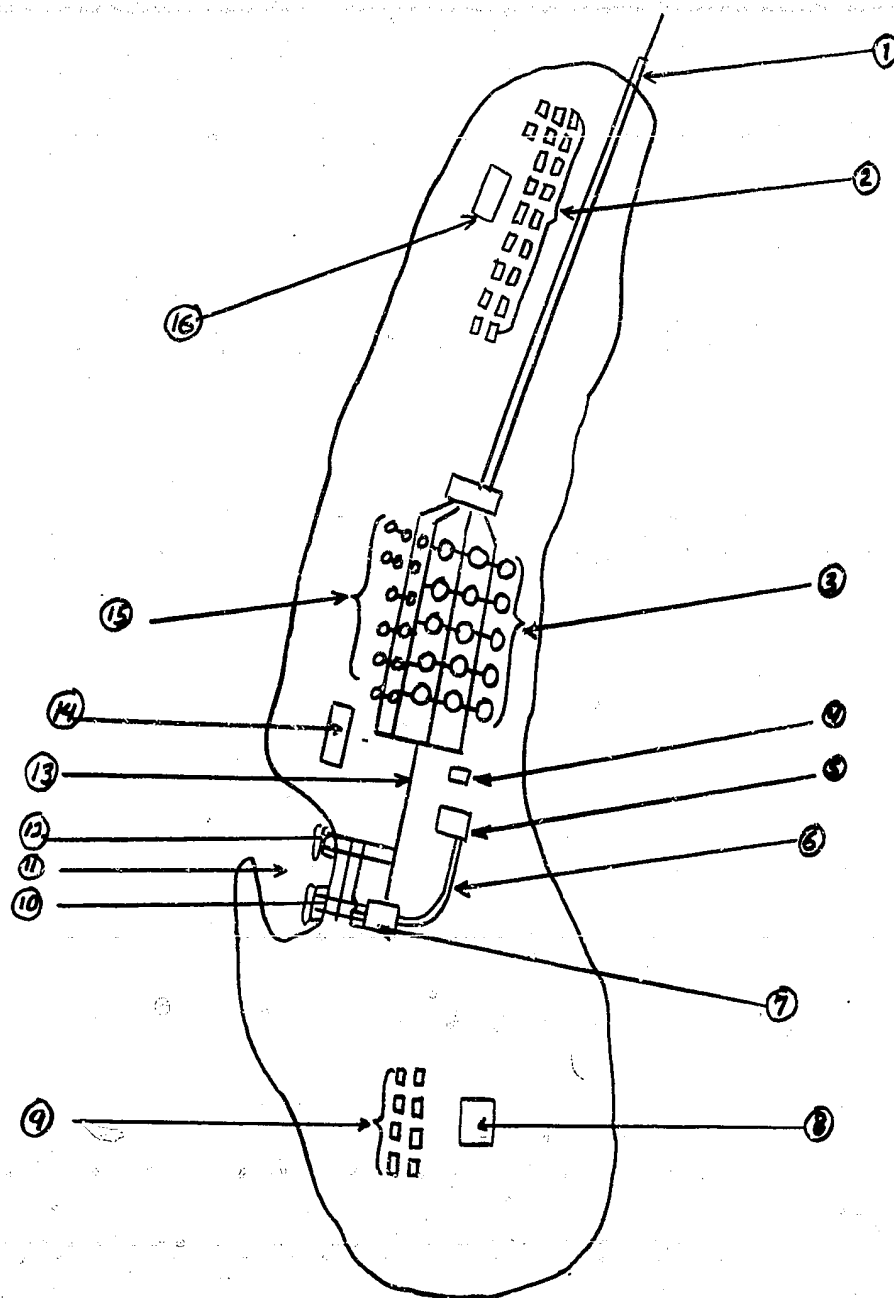
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ENCLOSURE (A)

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SKETCH MAP OF THE PETROLEUM BASE AT BOLSHOI PESHNOI ISLAND WITH LEGEND



Legend:

- | | |
|--|---|
| 1... Pipeline | 12... Dock No 2 |
| 2... Island village | 13... Main |
| 3... 15 large reservoirs | |
| 4... Building containing chemical laboratory | |
| 5... Building containing boiler room | 14... Building Containing officer of "Reydtanker" |
| 6... Pipe | Shipping Company Gurev Directorate of "Glavneftesbyt" |
| 7... Pump house | |
| 8... Light house | 15... 14 small reservoirs |
| 9... Light House Village | 16... Estates |
| 10... Dock No 1 | |
| 11... Harbor | |

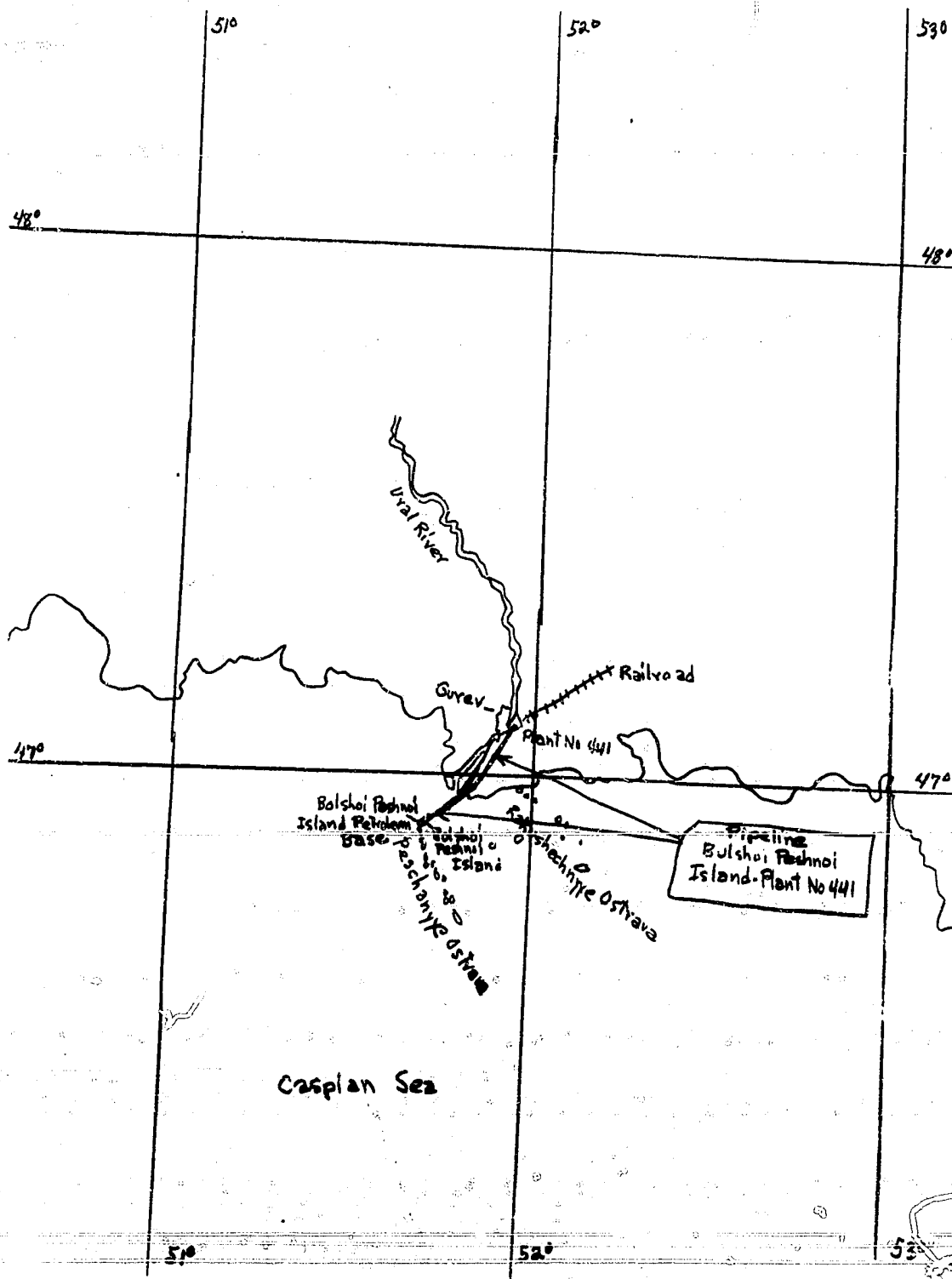
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ENCLOSURE (B)

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SKETCH MAP OF THE PIPELINE FROM BOLSHOI PESHNOI ISLAND TO PLANT NO 441



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